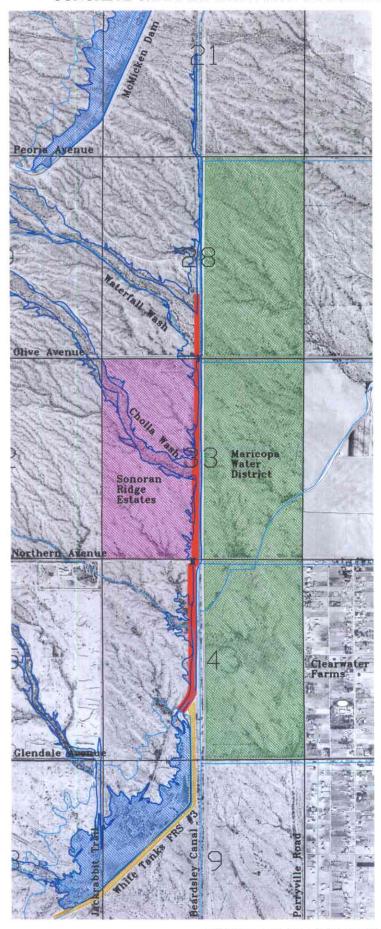
# ALTERNATIVE 2 CONCRETE CHANNEL WITH NATIVE DESERTSCAPED OVERBANKS







## LEGEND



CONCRETE CHANNEL & TRAILS



CULVERTS

## ALTERNATIVE 2 DESCRIPTION

This alternative consists of concrete channel improvements with native desertscaped overbank and trails from the White Tanks Flood Retarding Structure #3 to Olive Avenue including culverts at both Northern and Olive Avenues.

## VISUAL CHARACTERISTICS

- Varied width concrete lined channel with native desertscaped buffer strips, parallel to the west side of the existing Beardsley Canal
- Access control barrier railing will be placed along both sides of the concrete channel as a safety measure.
- Design and grading of the native desertscaped buffer strips will attempt to re-naturalize these areas to be reflective of the topography and character of nearby natural washes.
- Designed to provide opportunities for future recreational trail linkages
- Revegetation and/or restoration will be accomplished using native seed mixes and select tree plantings.
- The native desertscape palette includes native Sonoran desert plant species patterned and arranged to reflect the density and patterns found in the washes and foothills of the White Tank Mountains.

## **OPPORTUNITIES**

- Provides 100-year flood protection to the properties east of Beardsley Canal by improving Beardsley Canal Wash Corridor.
- Provides a native desertscaped open space corridor including equestrian and pedestrian trails from the White Tanks Flood Retarding Structure #3 to Waterfall Wash.
- Provides a 100-year crossing across the wash at both Northern and Olive Avenues.

## CONSTRAINTS

- Requires 28 acres of right-of-way/easements through Sonoran Ridge Estates and State Land Department. Impacts some lots through Sonoran Ridge Estates.
- Trail access limited to narrow corridor along west side of Beardsley Canal
- Requires a large concrete channel along the corridor.
- Requires average effort for the maintenance.
- Significant area of natural desert disturbed
- · Creates significant construction impact to the neighborhood.
- · Second highest cost.

PROJECT COST

\$13 million

MARICOPA COUNTY

WOOD, PATEL & ASSOCIATES, INC. Civil Engineers. Hydrologists and Land Surveyors

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